

Technology and Differentiated Instruction

Websites for Further Exploration

These links are also available online:

<http://tech4di.wikispaces.com/>

You are encouraged to contribute to this public wiki!

See also the [LMSD Podologue](#) podcast,
Episode 1: Technology and Differentiated Instruction

Accessing Resources for Differentiated Instruction

Definitions, Discussions, & Approach

ASCD (Assn. for Supervision and Curriculum Development)

Education Topics: Differentiating Instruction

<http://www.ascd.org/portal/site/ascd/menuitem.3adeebc6736780dddeb3ffdb62108a0c/>

Introduction (brief definition), Exploration (includes full-text articles and brief audio interviews), and Resources (related products for sale by ASCD)

All Kinds of Minds: Understanding Differences in Learning

<http://www.allkindsofminds.org/learningBase.aspx>

Insights into the learning challenges that students face (skills that must be mastered, the neuro-developmental factors that may influence student's success, and common obstacles that students may encounter); hints and suggested activities

CAST: National Center on Accessing the General Curriculum

Differentiated Instruction, by Tracey Hall, Ph.D., NCAC

<http://www.cast.org/ncac/index.cfm?i=2876>

Definition, Components (content, process, product), Guidelines for teachers, Evidence of effectiveness, Application to classroom, Web links (some out of date), References

Curriculum Associates: Differentiated Instruction: Success for Every Student

<http://www.curriculumassociates.com/professional-development/topics/DiffInstruction/index.htm>

Online 4-lesson course in Differentiated Instruction including text and audio instruction, examples, handouts, a reading assignment, and a lesson review with which you can assess your own learning progress.

Enhance Learning with Technology

<http://members.shaw.ca/priscillatheroux/index.htm>

Extensive site with broad range of well-organized information, links, examples; helps tie technology with D.I.

New Horizons for Learning: Differentiated Instruction

http://www.newhorizons.org/strategies/differentiated/front_differntiated.htm

Articles, readings, and additional links.

Differentiating Instruction for Advanced Learners

http://www.kidsource.com/kidsource/content/diff_instruction.html

Article by Carol Ann Tomlinson, ERIC EC Digest #E536, October 1995

Ready-to-Use Activities & Strategies

Strategies for Differentiating

<http://members.shaw.ca/priscillatheroux/differentiatingstrategies.html>

Extensive site with broad range of well-organized information, links, examples; helps tie technology with D.I.; don't miss the Links for Differentiating hyperlink at the bottom

Anchor Activities

<http://www.mcps.k12.md.us/schools/hoverms/technology/anchor.htm>

Links to online activities in various subjects that could be used as anchor activities.

Eduscapes: Ten Tips for Differentiation

<http://eduscapes.com/sessions/needs/all2.html>

Resources to help students who need scaffolding to build connections (meaningfulness, currency, practice, reading level, authenticity, active participation, experiences, motivation, realism, challenge)

Eduscapes: Technology and Multiple Intelligences

<http://eduscapes.com/tap/topic68.htm>

Background and lists of technology tools to support classroom activities in support of each of the nine intelligences

Eduscapes: Teacher Tap

<http://eduscapes.com/tap/index.htm>

Free, professional development resource that helps educators address common technology integration questions by providing practical, online resources and activities – extensive resource which can be utilized in small doses as needed

National Conference on Differentiated Instruction: Resources

<http://www.sde.com/Conferences/Differentiated-Instruction/DIResources.htm>

Four categories of free, mostly one-page resources and guides for differentiating instruction

WestEd: Using Technology to Support Diverse Learners

<http://www.wested.org/cs/tld/print/docs/tld/home.htm>

Tips focused on technologies most schools already have and for use in professional development of technology for general and special educators.

Internet4Classrooms: Differentiated Instruction

<http://www.internet4classrooms.com/di.htm>

Sites that help classroom teachers adjust their teaching process to their learners needs; links on instructional theory, practical classroom tips, sample units and lessons, and other documents.

Dr. Kathy Nunley's Layered Curriculum Web Site for Educators

<http://www.help4teachers.com/>

A 3 layer model of differentiated instruction encourages complex thinking and holds students highly accountable for their learning.

Instructional Strategies Online

<http://olc.spsd.sk.ca/DE/PD/instr/index.html>

Instructional strategies determine the approach a teacher may take to achieve learning objectives. Five categories of instructional strategies and explanation of these five categories can be found within this site.

Reading Quest: Reading Strategies for Comprehension

<http://www.readingquest.org/strat/>

Reading strategies useful for differentiation with specific instructions for each..

West Bloomfield, Michigan: Differentiated Instruction

<http://web.westbloomfield.k12.mi.us/ealy/lafer/>

Resources for Parents, Students, and Teachers.

Grosse Pointe Public School System, Michigan: Resources

<http://www.gpschools.org/ci/diff/resources.htm>

Online, video, and print resources for Differentiated Instruction (annotated)

Manteno Elementary School, Illinois: Differentiated Instruction

<http://www.manteno.k12.il.us/curriculumdiff/>

Includes background information as well as links to strategies..

Walter McKenzie: Multiple Intelligence Pages

<http://surfaquarium.com/MI/>

Connects Gardner's Multiple Intelligences with extensive strategies and activities through technology (includes blog and discussion group)

Network Resources

Local Data

PowerSchool

<http://www.powerschool.com/>

Data-Driven Decision Making

<http://www.ncrel.org/engauge/framework/sys/data/sysdatin.htm>

Subscription Services

NetTrekker d.i.

<http://www.nettrekker.com/frontdoor/>

United Streaming

<http://www.unitedstreaming.com/>

Technology for Differentiation

Assistive Devices

Center for Assistive Technology & Environmental Access: assistivetech.net

<http://www.assistivetech.net/>

Online information on assistive technologies, adaptive environments and community resources

Universal Access in Operating Systems

Apple Computer: Universal Access

<http://www.apple.com/macosx/features/universalaccess/>

<http://www.apple.com/accessibility/>

Detailed information on using built-in accessibility features of Mac OS X (many features also available in OS 9)

Microsoft: Make Windows XP More accessible for Everyone

<http://www.microsoft.com/windowsxp/using/accessibility/default.mspx>

Specific directions for accessibility components built into Windows XP

Microsoft: Accessibility in Windows Vista

<http://www.microsoft.com/enable/products/windowsvista/default.aspx>

Specific directions for accessibility components built into Windows Vista

Capabilities in Applications

Microsoft Word: Display Readability Statistics

<http://office.microsoft.com/en-us/assistance/HP051896011033.aspx>

Apple: Spoken Interface for Mac OS X

<http://www.apple.com/accessibility/voiceover/>

Kidspiration: Listen Tool to hear text read aloud

<http://www.inspiration.com/productinfo/kidspiration/features/index.cfm>

Inspiration: Visual (diagram) to Text (outline) and back

<http://www.inspiration.com/productinfo/inspiration/features/index.cfm>

Apple Inkwell: Handwriting Recognition

<http://www.apple.com/macosx/features/inkwell/>

Universal Design for Learning

CAST: Universal Design for Learning

<http://www.cast.org/>

High Impact Technology and Differentiated Instruction

Project-Based Learning

Edutopia: Project-Based Learning

<http://www.edutopia.org/php/keyword.php?id=037>

Seymour Papert on Project-Based Learning

http://www.edutopia.org/php/interview.php?id=Art_901&key=037

Rubistar

http://www.edutopia.org/php/interview.php?id=Art_901&key=037

Free online tool to help teachers create high-quality rubrics for project-based learning activities.

Harnessing Multimedia

Edutopia: Students Find Their Voices Through Multimedia

http://www.edutopia.org/php/article.php?id=Art_980&key=188